



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010612  
CERTIFICATION DATE: December 18, 2013  
DATE RECERTIFICATION DUE: June 16, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

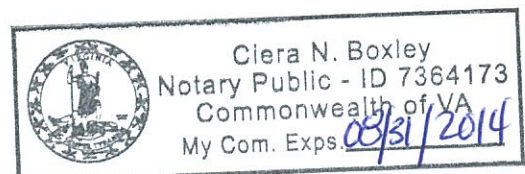
Timmy L. Neece, Jr.  
Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 30th day of December, 2013 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



ndk

DBH  
TLW

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 12/19/2013**

**Instrument Serial Number:** 010612 **As of 19-Dec-13**

<b>Maintenance Date</b>	<b>Certification Date</b>	<b>Technician Initials</b>	<b>Remarks</b>
18-Dec-13	18-Dec-13	DBH (21250)	CERTIFIED.
09-Jul-13	09-Jul-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
24-Jan-13	24-Jan-13	DBH (21250)	CERTIFIED. REPLACED PRINTER RIBBON.
01-Aug-12	01-Aug-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
15-Feb-12	15-Feb-12	DBH (21250)	CERTIFIED
23-Aug-11	23-Aug-11	DBH (21250)	CERTIFIED
12-May-11	12-May-11	DBH (21250)	MOVED INSTRUMENT TO NEW BUILDING, CERTIFIED
22-Mar-11	22-Mar-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
06-Oct-10	06-Oct-10	DBH (21250)	CALIBRATED AND CERTIFIED.
27-Apr-10	27-Apr-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
03-Nov-09	03-Nov-09	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
20-May-09	20-May-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
04-Dec-08	04-Dec-08	DBH (21250)	CERTIFIED.
25-Nov-08	25-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

BH  
TVN

# **INTOX EC/IR II** **Quality Assurance Worksheet**

Instrument Serial Number **010612** Worksheet Start Date **12/18/2013**

Location **Radford PD**

Address **20 Robertson St Radford VA 24141**

DFS Technician **Donald Hall** License No. **21250**

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) **716** Reference Barometer (mm HG) **719**

Reference Barometer(RB)Serial # **009109** RB Calibration Due **8/1/2014**

## **Measurement Assurance Check**

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.281
0.300	0.283	0.274	0.291	<b>Sample 2</b>	0.281
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.281
0		0.281	0.281		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.094
0.100	0.094	0.091	0.097	<b>Sample 2</b>	0.094
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.094
0		0.094	0.094		

Dry gas standard Lot No. (with tank no.) **AG219101-10**

☐ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies

Mouthpieces

Certificates of Analysis

Operator Worksheet

Other:

50

50

50

Notes:

Instrument Serial Number

010612

Certification Date

12/18/2013

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.231
0.250	0.236	0.228	0.243	<b>Sample 2</b>	0.230
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.230
0.001		0.230	0.231		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.139
0.150	0.141	0.136	0.145	<b>Sample 2</b>	0.139
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.139
0		0.139	0.139		

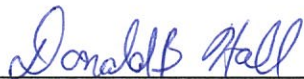
<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.074
0.080	0.075	0.072	0.078	<b>Sample 2</b>	0.074
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.075
0.001		0.074	0.075		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.018
0.020	0.019	0.016	0.022	<b>Sample 2</b>	0.018
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.018
0		0.018	0.018		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

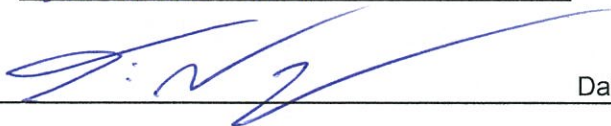
DFS Technician



Date

12/19/13

Issuing Analyst



Date

12/20/13

msk

**Intox EC/IR-II: Certification**

DBH  
TLN

*Department of Forensic Science*

Serial Number: 010612      Test Number: 899  
Test Date: 12/18/2013      Test Time: 09:38 EST

Technician Initials: DBH

Dry Gas Target: 0.236

Lot Number: 2961225012-10      Exp Date: 11/01/2014

Tank Pressure: 51 psi      Barometric Pressure: 716 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:38
BLK	0.000	09:39
CHK	0.233	09:39
BLK	0.000	09:41
CHK	*.***	09:41

**Dry gas tank empty**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Failure

TLN  
12-26-13

**Intox EC/IR-II: Certification**

DBH  
TLN

*Department of Forensic Science*

Serial Number: 010612      Test Number: 900

Test Date: 12/18/2013      Test Time: 09:44 EST

Technician Initials: DBH

Dry Gas Target: 0.236

Lot Number: 2961225012-09      Exp Date: 11/01/2014

Tank Pressure: 723 psi      Barometric Pressure: 716 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:44
BLK	0.000	09:45
CHK	0.231	09:46
BLK	0.000	09:47
CHK	0.230	09:48
BLK	0.000	09:50
CHK	0.230	09:51
BLK	0.000	09:52

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

DBH  
TLV

*Department of Forensic Science*

Serial Number: 010612      Test Number: 901

Test Date: 12/18/2013      Test Time: 09:55 EST

Technician Initials: DBH

Dry Gas Target: 0.141

Lot Number: 2951215012-03      Exp Date: 11/01/2014

Tank Pressure: 375 psi      Barometric Pressure: 716 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:55
BLK	0.000	09:56
CHK	0.139	09:57
BLK	0.000	09:58
CHK	0.139	09:59
BLK	0.000	10:01
CHK	0.139	10:01
BLK	0.000	10:03

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

DBH  
TLN

*Department of Forensic Science*

Serial Number: 010612      Test Number: 902

Test Date: 12/18/2013      Test Time: 10:05 EST

Technician Initials: DBH

Dry Gas Target: 0.075

Lot Number: 0771308012-01      Exp Date: 05/01/2015

Tank Pressure: 943 psi      Barometric Pressure: 716 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:06
BLK	0.000	10:07
CHK	0.074	10:07
BLK	0.000	10:09
CHK	0.074	10:09
BLK	0.000	10:11
CHK	0.075	10:12
BLK	0.000	10:13

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued



**Intox EC/IR-II: Certification**

DBH  
TW

*Department of Forensic Science*

Serial Number: 010612      Test Number: 903  
Test Date: 12/18/2013      Test Time: 10:15 EST

Technician Initials: DBH

Dry Gas Target: 0.019

Lot Number: 0651202011-05      Exp Date: 04/01/2014

Tank Pressure: 66 psi      Barometric Pressure: 716 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:16
BLK	0.000	10:16
CHK	0.018	10:17
BLK	0.000	10:18
CHK	0.018	10:19
BLK	0.000	10:20
CHK	0.018	10:21
BLK	0.000	10:22

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

**Intox EC/IR-II: Accuracy Check**

DBH  
TLA

*Department of Forensic Science*

Serial Number: 010612      Test Number: 904

Test Date: 12/18/2013      Test Time: 10:26 EST

Dry Gas Target: 0.283

Lot Number: AG322702-07      Exp Date: 08/15/2015

Tank Pressure: 301 psi      Barometric Pressure: 716 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:27
CHK	0.281	10:28
BLK	0.000	10:29
CHK	0.281	10:30
BLK	0.000	10:32
CHK	0.281	10:33

Test Status: *Success*

Calibration CRC: 5B5401EC

**Intox EC/IR-II: Accuracy Check**

BBH  
TLN

*Department of Forensic Science*

Serial Number: 010612      Test Number: 905

Test Date: 12/18/2013      Test Time: 10:36 EST

Dry Gas Target: 0.094

Lot Number: AG219101-10      Exp Date: 07/09/2014

Tank Pressure: 286 psi      Barometric Pressure: 716 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:37
CHK	0.094	10:38
BLK	0.000	10:39
CHK	0.094	10:40
BLK	0.000	10:41
CHK	0.094	10:42

Test Status: *Success*

Calibration CRC: 5B5401EC

DBH  
TW




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>12/18/2013</b>
TEST EQUIPMENT NUMBER <b>010612</b>		

RESULTS: TIME SAMPLE TAKEN 10:51 EST  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 19 Dec 2013 at 09:09

DBH  
TLW

## Test Results

Instrument Serial Number 010612

Test # 000906 Subject Test

Test Location 1 Department of

Test Date 18 Dec 2013

Test Location 2 Forensic Science

Test Time 10:45

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

License Number 21250

Effective Date 10/01/2012

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 18 Dec 2013 End Time 10:52

Result Time 10:51

Result Date 18 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:45

Data Type BLK

Sample Value 0.000

Sample Time 10:46

Data Type CHK

Sample Value 0.093

Sample Time 10:46

Data Type BLK

Sample Value 0.000

Sample Time 10:48

Data Type SUBJ

Sample Value 0.000

Sample Time 10:48

Data Type BLK

Sample Value 0.000

Sample Time 10:49

Data Type SUBJ

Sample Value 0.000

Sample Time 10:51

Data Type BLK

Sample Value 0.000

Sample Time 10:52

Standard Type Dry Gas Std

Standard Value 0.094

Standard Lot Number AG219101-10

Standard Expiration Date 07/09/2014

Tank Pressure 281

Barometric Pressure 716 mmHg

Blow Sample Number 1 Blow Duration 3.46 sec

Blow Volume 1788 cc End-of-Blow Time 10:48

Blow Sample Number 2 Blow Duration 3.84 sec

Blow Volume 1972 cc End-of-Blow Time 10:51

Tamper Evident Stamp ca070b6c

Test Status Code 0

Test Status Success